

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: October 4, 2002, 07:38:15 ; Search time 18.3 Seconds
(without alignments)
1226.619 Million cell updates/sec

Title: US-08-153-397a-2
Perfect score: 4928
Sequence: 1 MGPEALSLILLLVASGDA.....QRPPFQLHRLAEDALNTV 919

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA.*
1: /cgn2_6/ptodata/2/1aa/5A-COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B-COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6A-COMB.pep.*
4: /cgn2_6/ptodata/2/1aa/6B-COMB.pep.*
5: /cgn2_6/ptodata/2/1aa/PCUTUS-COMB.pep.*
6: /cgn2_6/ptodata/2/1aa/backfil1est.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|-------------------|
| 1 | 4928 | 100.0 | 919 | 1 | US-08-336-343a-2 |
| 2 | 4882 | 99.1 | 913 | 1 | US-08-445-640-4 |
| 3 | 4882 | 99.1 | 913 | 3 | US-08-170-558-4 |
| 4 | 4882 | 99.1 | 913 | 3 | US-08-447-314-4 |
| 5 | 4882 | 99.1 | 913 | 3 | US-08-445-461-4 |
| 6 | 2404 | 48.7 | 855 | 2 | US-08-336-343a-4 |
| 7 | 2402 | 48.7 | 854 | 2 | US-08-456-647B-20 |
| 8 | 2402 | 48.7 | 854 | 2 | US-08-237-401A-20 |
| 9 | 2167 | 44.0 | 399 | 1 | US-08-445-640-8 |
| 10 | 2167 | 44.0 | 399 | 3 | US-08-170-558-8 |
| 11 | 2167 | 44.0 | 399 | 3 | US-08-447-314-8 |
| 12 | 2167 | 44.0 | 399 | 3 | US-08-445-461-8 |
| 13 | 1667 | 33.8 | 317 | 2 | US-08-701-191A-25 |
| 14 | 838 | 17.0 | 156 | 2 | US-08-162-402B-20 |
| 15 | 648.5 | 13.2 | 821 | 1 | US-08-339-578-2 |
| 16 | 646 | 13.1 | 825 | 2 | US-08-469-537A-73 |
| 17 | 645 | 13.1 | 822 | 2 | US-08-359-705B-2 |
| 18 | 645 | 13.1 | 822 | 2 | US-08-286-846A-2 |
| 19 | 645 | 13.1 | 822 | 2 | US-08-457-880A-2 |
| 20 | 645 | 13.1 | 822 | 3 | US-08-444-622A-2 |
| 21 | 645 | 13.1 | 822 | 3 | US-08-444-622A-2 |
| 22 | 645 | 13.1 | 822 | 4 | US-09-156-923-2 |
| 23 | 645 | 13.1 | 847 | 2 | US-08-286-846A-9 |
| 24 | 645 | 13.1 | 847 | 2 | US-08-441-104A-5 |
| 25 | 645 | 13.1 | 847 | 2 | US-08-440-816A-5 |
| 26 | 645 | 13.1 | 847 | 4 | US-09-417-381A-5 |
| 27 | 643 | 13.0 | 279 | 2 | US-08-469-537A-51 |

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|----|-------|------|-----|---|------------------|-------------------|
| 28 | 640.5 | 13.0 | 850 | 1 | US-08-286-305A-7 | Sequence 7, Appl1 |
| 29 | 640.5 | 13.0 | 850 | 2 | US-08-441-104A-7 | Sequence 7, Appl1 |
| 30 | 640.5 | 13.0 | 850 | 2 | US-08-440-816A-7 | Sequence 7, Appl1 |
| 31 | 640.5 | 13.0 | 850 | 4 | US-09-417-381A-7 | Sequence 7, Appl1 |
| 32 | 627 | 12.7 | 790 | 2 | US-08-359-705B-9 | Sequence 9, Appl1 |
| 33 | 627 | 12.7 | 790 | 2 | US-08-286-846A-9 | Sequence 9, Appl1 |
| 34 | 627 | 12.7 | 790 | 2 | US-08-457-880A-9 | Sequence 9, Appl1 |
| 35 | 627 | 12.7 | 790 | 3 | US-08-444-622A-9 | Sequence 9, Appl1 |
| 36 | 627 | 12.7 | 790 | 3 | US-08-942-562-9 | Sequence 9, Appl1 |
| 37 | 627 | 12.7 | 790 | 4 | US-09-156-923-9 | Sequence 9, Appl1 |
| 38 | 627 | 12.7 | 814 | 1 | US-08-286-305A-3 | Sequence 9, Appl1 |
| 39 | 627 | 12.7 | 814 | 2 | US-08-441-104A-3 | Sequence 3, Appl1 |
| 40 | 627 | 12.7 | 814 | 2 | US-08-440-816A-3 | Sequence 3, Appl1 |
| 41 | 627 | 12.7 | 814 | 4 | US-09-417-381A-3 | Sequence 3, Appl1 |
| 42 | 623.5 | 12.7 | 839 | 2 | US-08-359-705B-6 | Sequence 6, Appl1 |
| 43 | 623.5 | 12.7 | 839 | 2 | US-08-286-846A-6 | Sequence 6, Appl1 |
| 44 | 623.5 | 12.7 | 839 | 2 | US-08-457-880A-6 | Sequence 6, Appl1 |
| 45 | 623.5 | 12.7 | 839 | 3 | US-08-444-622A-6 | Sequence 6, Appl1 |

ALIGNMENTS

RESULT 1
US-08-336-343a-2
Sequence 2, Application US/08336343A
Patent No. 5677144

GENERAL INFORMATION:

APPLICANT: Ullrich, Axel

APPLICANT: Alves, Frauke

TITLE OF INVENTION: CCK-2, A No. 5677144el Receptor Tyrosine Kinase

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

ADDRESS: Pennine & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/336,343A

FILING DATE: 08-NOV-1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Coruzzi, Laura A.

REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7683-065

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 790-9090

TELEFAX: (212) 869-9741/8864

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 919 amino acids

TYPE: amino acid

TOPOLOGY: unknown

MOLECULE TYPE: protein

US-08-336-343a-2

Query Match 100.0%; Score 4928; DB 1; Length 919;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 919; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MGPEALSLILLLVASGDAQKGFDPACRYALGQDRTIPSDISASSWSQDSTAA 60

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QY 121 RYSDGRMMGMKDRMGCEYISGNEDEGVYLDLGPMPYARLVRFYPRADRWMSYCLRV 180
DB 121 RYSDGRMMGMKDRMGCEYISGNEDEGVYLDLGPMPYARLVRFYPRADRWMSYCLRV 180
QY 181 ELYGCLMRDGLLSTYAPVQOTMYLSAVALYINDSTYDGHVGLQYGGGLQADGVVGLDD 240
DB 181 ELYGCLMRDGLLSTYAPVQOTMYLSAVALYINDSTYDGHVGLQYGGGLQADGVVGLDD 240
QY 241 FRKSOELRWMPGDIYVGMNSHSSSGYVEMEFEDRLRAFOAMOVCHNNHTTGARLPGG 300
DB 241 FRKSOELRWMPGDIYVGMNSHSSSGYVEMEFEDRLRAFOAMOVCHNNHTTGARLPGG 300
QY 301 VECFRFRGPMAMWEGEPHNRNLGNLGDPRARAVSVPLGGRVAFLOCRFLFAGPMLIFS 360
DB 301 VECFRFRGPMAMWEGEPHNRNLGNLGDPRARAVSVPLGGRVAFLOCRFLFAGPMLIFS 360
QY 361 EISFISDVYNNSSPALGTFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPYAILI 420
DB 361 EISFISDVYNNSSPALGTFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPYAILI 420
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DB 421 GCLVAITLILLLIILMLRLHMRLLSKAERVLVEELTVHLSVGGDTILINNRGPPE 480
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DB 481 PPYOEPRRPGNPPHSPACVNGSALLSNPAVRLATYARPPRGPGPTPMAKAPTNT 540
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DB 541 QAYSIDYMEPEKRGAPLPPPPONSYPHYAEADIVTLQVTVGNTYAVPALPGAVGDPG 600
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DB 601 PRVDEPRSRLEKEKLGEOGFGEVHLCVDSPODVLVSLDFPLVNRGHPLLVAVKILRPD 660
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DB 781 GENFTIKIADFGMSRLYAGDYRYVGRVAVLPTIRMMAMFCILMGKFTTASDVWAFVYTLA 840
QY 841 EYLMCLRAOPFGQLTDEQYIENAGFEFRDQGRVYLSRPPACPOGLYEYELMRCWSRESQ 900
DB 841 EYLMCLRAOPFGQLTDEQYIENAGFEFRDQGRVYLSRPPACPOGLYEYELMRCWSRESQ 900
QY 901 RPEFSQLHRFLAEDALNTY 919
DB 901 RPEFSQLHRFLAEDALNTY 919

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RESULT 2
US-08-445-640-4

Sequence 4, Application US/08445640
Patent No. 5709858

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Barton, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35

```

CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: paln (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,640
FILING DATE: 22-May-1995
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-Dec-1993
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-Nov-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/952-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 913 amino acids
TYPE: amino acid
TOPOLOGY: linear

US-08-445-640-4

Query Match          99.1%; Score 4882; DB 1; Length 913;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

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QY 541 QAYSQDYMEPEKPGAPLLPPPPQNSVPHYAADIYTLGGVYGGNTYAAVPALPGAVDGP 600
DB 541 QAYSQDYMEPEKPGAPLLPPPPQNSVPHYAADIYTLGGVYGGNTYAAVPALPGAVDGP 600
QY 601 PRVDFPRRLRFKKEKLGSGQGEVHLCEVDSPODLYSLDFPLNVRKHPLLVAAYKILRPD 660
DB 601 PRVDFPRRLRFKKEKLGSGQGEVHLCEVDSPODLYSLDFPLNVRKHPLLVAAYKILRPD 660
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DB 661 ATKNAFSLFGRNDFLKEVKIMSRLKDPNIIIRLLGVCVODDPLCMITTYMENGDLNPLS 720
QY 721 AHQLEDKAEGAPDGOAAGPTTISYPMILHVAQIASGMRYLATLNFVRDLATRNCLY 780
DB 721 AHQLEDKAEGAPDGOAAGPTTISYPMILHVAQIASGMRYLATLNFVRDLATRNCLY 780
QY 781 GENTFIKADGMSRNLAYAGDYRVQGRAVLPIRMAMECIIIMGKFTTASDVMAFGVTLM 840
DB 781 GENTFIKADGMSRNLAYAGDYRVQGRAVLPIRMAMECIIIMGKFTTASDVMAFGVTLM 840
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DB 841 EVLMICRAOPRGOLTDEQVIENAGEFFRDGROYVLSRPPACQGLYELMLRCMSRSEQ 900
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DB 901 RPPFSQHLRFLEADALNTV 919

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; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 913 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-170-558-4

Query Match      99.1%; Score 4882; DB 3; Length 913;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

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DB 61 HSRLSSDGDGAMCPAGSVFPKEEYLOVDLORHLVAVLGTQGRHAGGLGKFSRSYRL 120
QY 121 RYSRDGRRMGKDRMGQEVISGNDEPGVYLKDLGPPMVARLYRFPYRADRVASVCLRY 180
DB 121 RYSRDGRRMGKDRMGQEVISGNDEPGVYLKDLGPPMVARLYRFPYRADRVASVCLRY 180
QY 181 ELVGLMRDGLSTYAPVQTMYSLEANYLNDSTYDGTGGLQYGGIADQVYGLDD 240
DB 181 ELVGLMRDGLSTYAPVQTMYSLEANYLNDSTYDGTGGLQYGGIADQVYGLDD 240
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DB 241 FRKSOELRWMPGYDYVGVSNHSFSSGYEMEPDRRLAFQAMOVHCHNMHTLQARLPBG 300
QY 301 VECRRRRGPAMAMEGEPARNLGNLGDPRARAVSVPLGGRVAFILQCFELFAGPWLIFS 360
DB 301 VECRRRRGPAMAMEGEPARNLGNLGDPRARAVSVPLGGRVAFILQCFELFAGPWLIFS 360
QY 361 EISFISDYVNNSSPALGTFPPAPMPWPPGPPPTNFSLELEPRQOQVPAKESPTALI 420
DB 361 EISFISDYVNNSSPALGTFPPAPMPWPPGPPPTNFSLELEPRQOQVPAKESPTALI 420
QY 421 GCLVAITILLILLITALLMRLHWRLLSKARVYLEELTYHLSVPGTILINNRPGR 480
DB 421 GCLVAITILLILLITALLMRLHWRLLSKARVYLEELTYHLSVPGTILINNRPGR 480
QY 481 PPVYQPRRGNPPHSAPCVNGSALLSNPAYRLLATYARPPGPGPPPAKPTNT 540
DB 481 PPVYQPRRGNPPHSAPCVNGSALLSNPAYRLLATYARPPGPGPPPAKPTNT 540
QY 541 QAYSQDYMEPEKPGAPLLPPPPQNSVPHYAADIYTLGGVYGGNTYAAVPALPGAVDGP 600
DB 541 QAYSQDYMEPEKPGAPLLPPPPQNSVPHYAADIYTLGGVYGGNTYAAVPALPGAVDGP 600
QY 601 PRVDFPRRLRFKKEKLGSGQGEVHLCEVDSPODLYSLDFPLNVRKHPLLVAAYKILRPD 660
DB 601 PRVDFPRRLRFKKEKLGSGQGEVHLCEVDSPODLYSLDFPLNVRKHPLLVAAYKILRPD 660
QY 661 ATKNAFSLFGRNDFLKEVKIMSRLKDPNIIIRLLGVCVODDPLCMITTYMENGDLNPLS 720
DB 661 ATKNAFSLFGRNDFLKEVKIMSRLKDPNIIIRLLGVCVODDPLCMITTYMENGDLNPLS 720
QY 721 AHQLEDKAEGAPDGOAAGPTTISYPMILHVAQIASGMRYLATLNFVRDLATRNCLY 780
DB 721 AHQLEDKAEGAPDGOAAGPTTISYPMILHVAQIASGMRYLATLNFVRDLATRNCLY 780
QY 781 GENTFIKADGMSRNLAYAGDYRVQGRAVLPIRMAMECIIIMGKFTTASDVMAFGVTLM 840
DB 781 GENTFIKADGMSRNLAYAGDYRVQGRAVLPIRMAMECIIIMGKFTTASDVMAFGVTLM 840
QY 841 EVLMICRAOPRGOLTDEQVIENAGEFFRDGROYVLSRPPACQGLYELMLRCMSRSEQ 900
DB 841 EVLMICRAOPRGOLTDEQVIENAGEFFRDGROYVLSRPPACQGLYELMLRCMSRSEQ 900
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DB 895 RPPFSQLHRELAEDALNTV 913

RESULT 4

US-08-447-314-4
Sequence 4, Application US/08447314

Patent No. 6087144

GENERAL INFORMATION:

APPLICANT: Scadden, David T.

APPLICANT: Baron, Kevin P.

APPLICANT: Baron, Will F.

TITLE OF INVENTION: Protein Tyrosine Kinases

NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/447,314

FILING DATE: 22-MAY-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/170558

FILING DATE: 20-DEC-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/157563

FILING DATE: 23-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: Hasek, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 854C1D2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 913 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-447-314-4

Query Match 99.1%; Score 4882; DB 3; Length 913;
Best Local Similarity 99.2%; Pred. No. 0;

Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

DB 1 MGPEALSSLLILLVAGSDAMKGFDPACRYALGMDRTIPDSISASSSSSDSTAAR 60
DB 1 MGPEALSSLLILLVAGSDAMKGFDPACRYALGMDRTIPDSISASSSSSDSTAAR 60
QY 61 HSLESDDDGAGCAGSVPKREKYLQVLDLHLVAVLGTGRIAGGIGKFFSSYRL 120
QY 61 HSLESDDDGAGCAGSVPKREKYLQVLDLHLVAVLGTGRIAGGIGKFFSSYRL 120
DB 61 HSLESDDDGAGCAGSVPKREKYLQVLDLHLVAVLGTGRIAGGIGKFFSSYRL 120
QY 121 RYSDRGRMGKMDRGQEVYISGNDEPEGVYLDLGPVYARLVRYPPRADRYMSYCLAY 180
QY 121 RYSDRGRMGKMDRGQEVYISGNDEPEGVYLDLGPVYARLVRYPPRADRYMSYCLAY 180
DB 121 RYSDRGRMGKMDRGQEVYISGNDEPEGVYLDLGPVYARLVRYPPRADRYMSYCLAY 180
QY 181 ELVGCILARDGLSYTAPVGGTMTLSAVYLINDSTYDGHVTVGLQYGLQLADGVVGLDD 240
QY 181 ELVGCILARDGLSYTAPVGGTMTLSAVYLINDSTYDGHVTVGLQYGLQLADGVVGLDD 240
DB 181 ELVGCILARDGLSYTAPVGGTMTLSAVYLINDSTYDGHVTVGLQYGLQLADGVVGLDD 240
QY 241 FRKSQELRWPGYDYVGMNSHSSSGYVMEKFEFDLRLAFQAMQVCHNMHTLGARLPGG 300

DB 241 FRKSQELRWPGYDYVGMNSHSSSGYVMEKFEFDLRLAFQAMQVCHNMHTLGARLPGG 300

QY 301 VECFRRRGPMAMGEGEMRNLGSLDPPRARANSVPLGGRVAFLOCRLFPAGPMLFFS 360

DB 301 VECFRRRGPMAMGEGEMRNLGSLDPPRARANSVPLGGRVAFLOCRLFPAGPMLFFS 360

QY 361 EISFISDVVNNSSPALGTFPPAPMPGPPPTFFSSLELEPRGQOVPAKESPTAILI 420

DB 361 EISFISDVVNNSSPALGTFPPAPMPGPPPTFFSSLELEPRGQOVPAKESPTAILI 420

QY 421 GCUVAIILLILLIALLMLLMLRLLSKAERYLEBELTVHLSVPGDTILLNNRPGPRE 480

DB 421 GCUVAIILLILLIALLMLLMLRLLSKAERYLEBELTVHLSVPGDTILLNNRPGPRE 480

QY 481 PPRQEPFRGNPPHSAFCVNSGALLSPAYRLLATYARPPRGPPPTPAMAKPTNT 540

DB 481 PPRQEPFRGNPPHSAFCVNSGALLSPAYRLLATYARPPRGPPPTPAMAKPTNT 540

QY 541 QAYSQDYMEPEKPGAPLLPPPNQSVPHYADIVTLQVYTGNTAVPALPGAVGDP 600

DB 541 QAYSQDYMEPEKPGAPLLPPPNQSVPHYADIVTLQVYTGNTAVPALPGAVGDP 600

QY 601 PRVDFPRSLRFRKELGEGQFGEVHLCEVDSPODLVSLDPLNVKRGHPLLVAVKILRPD 660

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QY 661 ATKNASLSRNDLFEKVINRKLDPNIRLLGVCVODDPLCMITDYENGDNOFLS 720

DB 661 ATKNASLSRNDLFEKVINRKLDPNIRLLGVCVODDPLCMITDYENGDNOFLS 720

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DB 721 AHOLEDKAEGAGDGOAGOPTISYPMILHVAQAQISGRYATLNFVRDLATRCCLV 780

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DB 781 GENFTIKIADFGMSRLIYAGDIYRVQRAVLPIRMWAMECILMGKFTTASDVAAFGVTLW 840

QY 841 EVMILCRAPFGQLTDEOVLENNAGEPPRDGROVYLSRPACQGLYELMLRCMSRSEQ 900

DB 841 EVMILCRAPFGQLTDEOVLENNAGEPPRDGROVYLSRPACQGLYELMLRCMSRSEQ 900

QY 901 RPPFSQLHRELAEDALNTV 919

DB 901 RPPFSQLHRELAEDALNTV 919

QY 919 RPPFSQLHRELAEDALNTV 913

DB 919 RPPFSQLHRELAEDALNTV 913

RESULT 5
US-08-445-461-4
Sequence 4, Application US/08445461
Patent No. 6096527
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:

```

APPLICATION NUMBER: US/08/445,461
FILING DATE: 22-MAY-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 913 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-445-461-4

```

```

Query Match          99.1%; Score 4882; DB 3; Length 913;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

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QY 1 MGPEALSSILLLLVAGSDADMKGHFDPACRYALGMDRTIPDDISASSMSDSTAR 60
DB 1 MGPEALSSILLLLVAGSDADMKGHFDPACRYALGMDRTIPDDISASSMSDSTAR 60
QY 61 HSRLESSDGDACPKAGVFPKEEYLDVLDLRLHLVALVGTQGRHAGGLKEFSRYRL 120
DB 61 HSRLESSDGDACPKAGVFPKEEYLDVLDLRLHLVALVGTQGRHAGGLKEFSRYRL 120
QY 121 RYSDRGRRMGKMDKMGQEVISGNEDEPGVYLKDLGPPMVALVFPADRVMSVCLRY 180
DB 121 RYSDRGRRMGKMDKMGQEVISGNEDEPGVYLKDLGPPMVALVFPADRVMSVCLRY 180
QY 181 ELYGCLMWDGLLSTYAPVQOTMYLSEAYLLNDSTYDGHVGGIQQYGLGLADLVGGLDD 240
DB 181 ELYGCLMWDGLLSTYAPVQOTMYLSEAYLLNDSTYDGHVGGIQQYGLGLADLVGGLDD 240
QY 241 FRKSOELRVMPGDIYVGNHNSFSSGYEMEFEDRLAFOAMOVHCNNMHTLGARLPGG 300
DB 241 FRKSOELRVMPGDIYVGNHNSFSSGYEMEFEDRLAFOAMOVHCNNMHTLGARLPGG 300
QY 301 VECFRFRGPRAMWEGEPKRNHLGNGIDPRARAVSVPLGGRVARELQCRFLFAGPWLLFS 360
DB 301 VECFRFRGPRAMWEGEPKRNHLGNGIDPRARAVSVPLGGRVARELQCRFLFAGPWLLFS 360
QY 361 EISFISDVNNSSPALGTFPPAPMPGPPPTNFSLELEPRGQAPAKAEGSPITALI 420
DB 361 EISFISDVNNSSPALGTFPPAPMPGPPPTNFSLELEPRGQAPAKAEGSPITALI 420
QY 421 GCVAIAIILLLIILALIMRLHMRRLSKARRVLEELVYHLSVPGTILINNPGRPRE 480
DB 421 GCVAIAIILLLIILALIMRLHMRRLSKARRVLEELVYHLSVPGTILINNPGRPRE 480
QY 481 PPVYOEPRPGNPPHSAFCVNGSALLSNPAYRLLATYARPPGPPPPAMAKPNT 540
DB 481 PPVYOEPRPGNPPHSAFCVNGSALLSNPAYRLLATYARPPGPPPPAMAKPNT 540
QY 541 QAVSGDIYMEPEKPGAPLLPPPPONSVPHYAEADIVTLOGVYTGNTYAVPALPGVAGDP 600
DB 541 QAVSGDIYMEPEKPGAPLLPPPPONSVPHYAEADIVTLOGVYTGNTYAVPALPGVAGDP 600
QY 601 PRVDFPFRSLRFEKELGEGGFGEVHLCENVSPODLVSLDFPLNVRKGHPLLVAKILRPD 660
DB 601 PRVDFPFRSLRFEKELGEGGFGEVHLCENVSPODLVSLDFPLNVRKGHPLLVAKILRPD 660

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QY 661 ATKNAFSLSRNDLFKEYKIMSLKDPNIRLLGLGYODDPLCATITDMENDLNQFIS 720
DB 661 ATKNAFSLSRNDLFKEYKIMSLKDPNIRLLGLGYODDPLCATITDMENDLNQFIS 714
QY 721 AHOLEDKAAGAPGDAQAGPTISYPMILHVAQAISGARYATNFVHRDLATRNCLV 780
DB 721 AHOLEDKAAGAPGDAQAGPTISYPMILHVAQAISGARYATNFVHRDLATRNCLV 774
QY 781 GENFTIKIADFGKSRNLYAGDIYRVQRAVLPITRNAMECILMGKFTTASDVAFGVTLM 840
DB 775 GENFTIKIADFGKSRNLYAGDIYRVQRAVLPITRNAMECILMGKFTTASDVAFGVTLM 834
QY 841 EYVLMCRAPFGQLTDEQVYIENAGFEFFRQGRQVYLSRPPACPGLYELMLRCWSRESQ 900
DB 835 EYVLMCRAPFGQLTDEQVYIENAGFEFFRQGRQVYLSRPPACPGLYELMLRCWSRESQ 894
QY 901 RPPFSQLHRELFMEDALNTV 919
DB 895 RPPFSQLHRELFMEDALNTV 913

```

```

RESULT
US-08-336-343A-4
Sequence 4, Application US/08336343A
Patent No. 5677144
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
APPLICANT: Alves, Frauke
TITLE OF INVENTION: CCK-2, A No. 5677144el Receptor Tyrosine Kinase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESS: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A
FILING DATE: 08-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-065
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 855 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-336-343A-4

```

```

Query Match          48.8%; Score 2404; DB 1; Length 855;
Best Local Similarity 51.8%; Pred. No. 6,4e-164;
Matches 482; Conservative 118; Mismatches 227; Indels 104; Gaps 16;
QY 3 PEALSSILLLLVAGSDADMKGHFDPACRYALGMDRTIPDDISASSMSDSTARHS 62
DB 5 PRLMLVLEFLPLPILS---SARQVNPALICRYPLDMGSGQIPDDEITFASQWSESTAAKYG 61
QY 63 RLESDDGAGCPCAGSVFPEK-EFYLQVDLRLHLVALVGTQGRHAGGLKEFSRSRYRL 121
DB 63 RLESDDGAGCPCAGSVFPEK-EFYLQVDLRLHLVALVGTQGRHAGGLKEFSRSRYRL 121

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Db      62  RIDSEGGDAMCPELVEPDDLKEFLQJLDLHTLHFTLTVLTVGQGNHAGHGHEFAPMKIN 122
QY      122  YSRDGRBMKMGMDKRGQEVYISGNEDPEGVYAKLDLGRPMVAVLRFYPRADRVMSVCLVE 181
      1111111111111111111111111111111111111111111111111111111111111111
Db      122  YSRDGRBMISMRNRGKQVLDGNSNPYDIFELKDELPPIVAFVRFIPVTHSMNVCAWE 181
QY      182  LVGCLMRGBGLSLYTPAVGQTMIL--SEAVYLNDSYTGHHYVGSIGYQVGGICQLADGVYGLD 239
      1111111111111111111111111111111111111111111111111111111111111111
Db      182  LVGCVMLDGLSYNAPACQVYLPGGSTITYLNDSVYDQ--AAGYSMTBGLQLDVGVSGLD 240
QY      240  DFRKSOELRWMPGVGYVGMNSHNSFSGVEVEEPEFDBLRAFOAQVQNNMHTLGAFLPG 289
      1111111111111111111111111111111111111111111111111111111111111111
Db      241  DETGCHHEHYWMPGVGYVGMNRHESATNGTIELINEFEDRIKNTTKYVHCNNMKEAKGVATFK 300
QY      300  GVECFPRRGAPAMWEGEPMRNLGNLGDPPARAASVPLGGVARVFLQCFELFAGPWLTF 359
      1111111111111111111111111111111111111111111111111111111111111111
Db      301  EVQCYF--RSEASEMPPNALSFFLYLDVNPFSARFVETVPLHHRMASAIKQYHFDATWMMF 359
QY      360  SEISFISD--VYNNSSPALGCTFFPPAPMWPPOPPPTNLSLELRGQGPAPKAGESTAI 418
      1111111111111111111111111111111111111111111111111111111111111111
Db      360  SEITVQSPAAMVNNSEAL--PTSP-----MATTYDPMKIKDDSSVTRI 400
      1111111111111111111111111111111111111111111111111111111111111111
QY      419  LIGCLVAIILLLILLLIALLMRLMRLLSKAERVLEELTVLTVSPGDTIILNNR--P 476
      1111111111111111111111111111111111111111111111111111111111111111
Db      401  LIGCLVAIIFILALITVYIILMRQWCKLEAKSRMLDDEITYSLSPSSSHNNRSS 460
QY      477  GPRED-----PPYQEBRPRGNPPHSAFCVNGSALLNSPAYRLLATYARP 523
      1111111111111111111111111111111111111111111111111111111111111111
Db      461  SPSEGGNSYTDRIFFPLKPYQEP-----SLRIKLKPEE----- 494
QY      524  PRGPPPPPPAAKPPNTQVAYSGLDYMEPEKPGAPLPLPPPPNSVPHVYAEADIVTLQGYTG 583
      1111111111111111111111111111111111111111111111111111111111111111
Db      495  -----APGEESGSGSVYKPKVPOPGP-----EGVPHYAEADIVNLQGYTG 535
QY      584  NTYAVPALPCGAVGDPGRV--DPPRSRLRFEXKLGEQOPGEVHLCEVDSPQDLVSLDFPL 642
      1111111111111111111111111111111111111111111111111111111111111111
Db      536  NTYSVPANTMDLISGKDYVAEEFRKLITREKLGEGQFSEVHLCEVEGKEKFKDFFAL 595
QY      643  NVKRGHPLLVAVKILRPDATKNASFSLFSRNDFLKFKVINSRLKDPNIIIRLLGCVQODP 702
      1111111111111111111111111111111111111111111111111111111111111111
Db      596  DVSANQPLVAVKMLRADANKNA-----RNDFLKELIKINSRLKDPNIIIRLLSVCTDDP 649
QY      703  LCAITTDYENDLDNOLFUSAHOLEKAAEGARGDGOAAQGTISTYPMILHVAQIASGMRY 762
      1111111111111111111111111111111111111111111111111111111111111111
Db      650  LCMITEYVENDLNQFLSRHE-----PPNSSSDVRTVSTYNLKFMATQIASGMKY 700
QY      763  LATINEVRDLATRNCYVGENETIKIDPFMSRNLYAGDYRYRQGRAVLPPIRMAHECLI 822
      1111111111111111111111111111111111111111111111111111111111111111
Db      701  LSLSLFPHARDLATRNCGLGNKYTKLADFNASRLYLSGDYRIQGRAVLPPIRMAHSESLI 760
QY      823  MGEFTTASDVNAFVTLMEVYLMLCRAOPFQLTDEQVYENAGGEFFRDGQROYVLSPPAC 882
      1111111111111111111111111111111111111111111111111111111111111111
Db      761  LKGTTLASDVNAFVTLMEFTTQGEDEPYQLSDQVYIENTGEFFRDQGRQITVLPAPIC 820
QY      883  PGLYEIMLRCSRESSEQRPPFSQLARFLAE 913
      1111111111111111111111111111111111111111111111111111111111111111
Db      821  PDSYKILMSCWRDQTKRPSFGRIHLLQL 851
      1111111111111111111111111111111111111111111111111111111111111111

RESULT      7
US-08-456-647B-20
: Sequence 20, Application US/08456647B
: Patent No. 5811516
: GENERAL INFORMATION:
: APPLICANT: Lemke Ph.D. et al., Greg E.
: TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
: NUMBER OF SEQUENCES: 54
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Fish & Richardson P.C.
: STREET: 4325 Executive Square, Suite 1400
: CITY: La Jolla
: STATE: CA
: COUNTRY: US

```

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1 ZIP: 92037
2
3 COMPUTER READABLE FORM:
4
5 MEDIUM TYPE: Floppy disk
6
7 COMPUTER: IBM PC compatible
8
9 OPERATING SYSTEM: PC-DOS/MS-DOS
10
11 SOFTWARE: Patent In Release #1.0, Version #1.25
12
13 CURRENT APPLICATION DATA:
14
15 APPLICATION NUMBER: US/08/456,647B
16
17 FILING DATE: 02-JUN-1995
18
19 CLASSIFICATION: 530
20
21 PRIOR APPLICATION NUMBER:
22
23 APPLICATION NUMBER: US 08/237,401
24
25 FILING DATE: 02-MAY-1994
26
27 PRIOR APPLICATION DATA:
28
29 APPLICATION NUMBER: US 07/884,486
30
31 FILING DATE: 15-MAY-1992
32
33 ATTORNEY/AGENT INFORMATION:
34
35 NAME: Wetherell Ph.D., John R.
36
37 REGISTRATION NUMBER: 31,678
38
39 REFERENCE/DOCKET NUMBER: 07251/007002
40
41 TELECOMMUNICATION INFORMATION:
42
43 TELEPHONE: (619) 678-5070
44
45 TELEFAX: (619) 678-5099
46
47 INFORMATION FOR SEQ ID NO: 20:
48
49 SEQUENCE CHARACTERISTICS:
50
51 LENGTH: 854 amino acids
52
53 TYPE: amino acid
54
55 TOPOLOGY: linear
56
57 MOLECULE TYPE: protein
58
59 US-08-456-647B-20

```

| | |
|-------------|--------|
| Query Match | 48.7%; |
| Score | 2402; |
| DB | 2; |
| Length | 854; |

Best Local Similarity 51.9%; Pred. NO. 8.8e-164;
Matches 481; Conservative 119; Mismatches 220; Indels 106; Gaps 16;

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0Y 9 LLLLLLVASGDADMKGHFDPACRVALMORPTPDOSISASSMSDSTARHRSLESSD 68
Db 10 VLLLLLLITIGSA--KAQYNPALCRPILOMSGHITPDEBITASQMSQSESTAKYRLDSEE 67
0Y 69 GDAMCOPAGSVAPKE--EELOYLDQRLRLVALVYQGRHAGLGKESFSRYLRYSBDGR 127
Db 68 GGGAMCPELPYQPRDDLKFEFLQIDLRTLHFTITLVYQGNHAGHCHIEFAPMKIKYSDGS 122
0Y 128 RMMGKDKRMGOEYISGNEDPEGVVLKDLGPEMVALNYEYRADRAYSVCYLRVELYGLM 187
Db 128 RWSIRNRHRKQVLDDGNSNPYDFVLKDEPPIVARFYRLIPVTDHSMNVCMRYELGYCW 187
0Y 188 RGGLISTYAPVQGYTL--SEAVYINDSTYGHNTYGGLOQYGLQGLADVGDLDFRKSQ 245
Db 188 LDGLVSYNAPAGOOQVFLDEGGSIYILINDSVYUG--AVGSMTEGLQTLTDGVSGLDFFQTH 246
0Y 246 ELRVMPGVYDYGKSNHSFSSGIVEMEPEFEDLRFOAMQVYCNMMHLLGARLPBGVCGRF 305
Db 247 EYHVMPGVDIYGMNRNESATNGTEIMEFEDIRNFTTKAHNCNMKAGKVIKEVQCYF 306
0Y 306 RRGPAAMEGEMPRHNLGNLGDPRARAVSPVLOGRAVAFLOCFELPAGPMLLESISFI 365
Db 307 -RSEASEMEPPAVYEPVLDDYNPNSARVYTPRLHHRBASAKCOYHNRADYMMHSEITFQ 365
0Y 366 SD--VVNNSSPALGCTFPAPAMPBPBPPTNFSLELEPRGOQPVANAEGSPAILIGCL 423
Db 366 SDAAMYNNSS--GALPTSP-----NAPFTYDMLKYVDSNTRILIGCL 405
0Y 424 VAILLLLLLLIATMLMRLLHMRRLLSKAEARYLEBELVYHLSVBCDTLLINR----GPR 479
Db 406 VAILFITLAIIVILLMRQWKMLEKASRRLLDEMYVSLSPESSEMFNNNSSPSEQ 465
0Y 480 EP-----PPOYEPGRGNPSPASCPVPGSALLSNPVRLLATYVARPPGPG 528
Db 466 ESNSTYDRIFFLRDYQDP-----SLTKLRPEF-----494
0Y 529 PPTPAKAKPTNTQAIYSGDYMEPEKPGAPLLPBPQNSVPHYAEADIVTLOGVYGTGNTAY 588

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Db 495 -----APGEESGSGGVYKPAQPNP-----EGVHYAADIIVNLOGVTGGNTYCV 540
QY 589 PALPGAVGDDGPPRV-DPFRSLRFRKREKIGEGQFGVHLCEDVSDPDLVSLDFPLVNRKG 647
Db 541 PAVTMDLISGKVAVEEFPRKLLAEKLEGQFGFVHLCFEGEKGKFKDKFALDVSAN 600
QY 648 HPLVAVKILRPDANKNFSLSFRNDFLEKVKINSRLKDPNIRLLGVCYODDPLCMIT 707
Db 601 QVILVAVKMLRADANKNA-----RNDFLKEIKINSRLDNPRIIRLLAVCITEDPLCMIT 654
QY 708 DYMGNDLNOFLSAHQLEDKAEGAPGDGAAOQPTISYPMILHVAQAQIASGMRYLATLN 767
Db 655 EYMENGDLNOFLSRHEPLSSCSSDA-----TVSYANKLFMATQIASGMKYLSSLN 704
QY 768 FVHRDLATRNCLVGENFTTKIADFGMSRNLVAGDYIRVQGRAVLPIRMAWECILMGKT 827
Db 705 FVHRDLATRNCLVGNKNTYTIADFGMSRNLVSGDYIRIGRAVLPIRMSWSILGKFT 764
QY 828 TASDVMAFGVTLMFVLMCLRAQPFQQLTDEQYIENAGFEFFRQGRVYLSRPPACPGY 887
Db 765 TASDVMAFGVTLMFETTCQEQBPYQOLSDEQYIENAGFEFFRQGRVYLSRPPACPGY 824
QY 888 ELMRCWSRESEQRPPFSQLRFLAE 913
Db 825 KMLSCMRRETKHRPSFOEIHLLIQ 850

RESULT 8
US-08-237-401A-20
; Sequence 20, Application US/08237401A
; Patent No. 5837448
; GENERAL INFORMATION:
; APPLICANT: Lemke Ph.D. et al., Greg E.
; TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/237,401A
; FILING DATE: 02-MAY-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/884,486
; FILING DATE: 15-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Halle Ph.D., Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07251/007001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 678-5070
; TELEFAX: (619) 678-5099
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-237-401A-20

Query Match 48.7%; Score 2402; DB 2; Length 854;
Best Local Similarity 51.9%; Pred. No. 8.8e-164;

Matches 481; Conservative 119; Mismatches 220; Indels 106; Gaps 16;
QY 9 LLLLLVAGDADMKGHPPAKCRVALGMDRTIPDSISASSSSWSDTAARHSLRSSD 68
Db 10 VLLLLLILIGSA--KAQVPALICRYPLGMSGHIIIPEDITASSQSESAATKGRIDSE 67
QY 69 GQAGCPAGSVFPEKE--EELVQVLDQRLHLVALVGTQGRRAAGLGKFSYSRLRSROR 127
Db 68 GQAGCPPEIPVQDDLKEQLIDLRLHFTLVLTQGRAGGHIIEFAPMYKINSRDS 127
QY 128 RWGMRKRWGOEYISGNEDEEGVYLKDLGPPMVARLVFRYPADRWMSCLRLVETGCM 187
Db 128 RMTSMNRHKGVLQDQNSNPYDFELKDLRPIYARKRLIPTDHSMTAMCVELXCYW 187
QY 188 RQGLSLYTPAVGQTMVL--SEAVYLDSTYDGHVTGGLQYGGIQLQADGVGLDFFRSQ 245
Db 188 LDGLVSYNAPAGQFVLPQGSIIYLDNSYDG-AVYSMTGIGQLTDSGLDFTQTH 246
QY 246 ELRWMPGYDYVGSNHSFSSGYEWEFEEDRLRAPQAMVHONNHTTGARLPGEVECF 305
Db 247 EHWMPGYDYVGRNESATNGFLEMFEDRLRNFTHVHONNFAKGVKLFKEVQCYF 306
QY 306 RRGPAWAGEEPMRNLGNLADPPARAAVSPLGGRVAFRLQCRFLFAGPMLFSEISPI 365
Db 307 -RSEASEMEPTAVYFPLVDVNPASRFTVPLHRMAAIAICQYHAFDTWAMESEITQ 365
QY 366 SD--VYNNSSPALGCTFPAPMPWPGPPPTNFSLELEPRGOQPVAKAGSPAILIGCL 423
Db 366 SDAAMYNNS--GALPTSP-----MAPTYDPMKVDSDNTRILIGCL 405
QY 424 VAILLLLLLILMLRLMRRLLSKAERVLEELTVLSPGDTILNNR----PGCR 479
Db 406 VAILFLALIVILMRQWQKMLEKASRMDDDETVLSLPSSESMNNRSSPSRQ 465
QY 480 EP-----PPYQERPRGNPPHSAPCVNNGSALLSNPAYRLLATATARRPRG 528
Db 466 ESNSTYDRIFPLRPDQEP-----SRLTKLPER----- 494
QY 529 PPTPAWAKPTNTQAYSGDYMEPEKPGAPLLPPPNQSVPHYAEADIVTLQVYGGNTYAV 588
Db 495 -----APGEESGSGGVYKPAQPNP-----EGVHYAADIIVNLOGVTGGNTYCV 540
QY 589 PALPGAVGDDGPPRV-DPFRSLRFRKREKIGEGQFGVHLCEDVSDPDLVSLDFPLVNRKG 647
Db 541 PAVTMDLISGKVAVEEFPRKLLAEKLEGQFGFVHLCFEGEKGKFKDKFALDVSAN 600
QY 648 HPLVAVKILRPDANKNFSLSFRNDFLEKVKINSRLKDPNIRLLGVCYODDPLCMIT 707
Db 601 QVILVAVKMLRADANKNA-----RNDFLKEIKINSRLDNPRIIRLLAVCITEDPLCMIT 654
QY 708 DYMGNDLNOFLSAHQLEDKAEGAPGDGAAOQPTISYPMILHVAQAQIASGMRYLATLN 767
Db 655 EYMENGDLNOFLSRHEPLSSCSSDA-----TVSYANKLFMATQIASGMKYLSSLN 704
QY 768 FVHRDLATRNCLVGENFTTKIADFGMSRNLVAGDYIRVQGRAVLPIRMAWECILMGKT 827
Db 705 FVHRDLATRNCLVGNKNTYTIADFGMSRNLVSGDYIRIGRAVLPIRMSWSILGKFT 764
QY 828 TASDVMAFGVTLMFVLMCLRAQPFQQLTDEQYIENAGFEFFRQGRVYLSRPPACPGY 887
Db 765 TASDVMAFGVTLMFETTCQEQBPYQOLSDEQYIENAGFEFFRQGRVYLSRPPACPGY 824
QY 888 ELMRCWSRESEQRPPFSQLRFLAE 913
Db 825 KMLSCMRRETKHRPSFOEIHLLIQ 850

RESULT 9
US-08-445-640-8
; Sequence 8, Application US/08445640
; Patent No. 5709858
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.

APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,640
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasek, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-445-640-8

Query Match 44.0%; Score 2167; DB 1; Length 399;
Best Local Similarity 99.7%; Pred. No. 2.2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 19 DADMKGHFPAKCRVYALGMDRTIPDSISASSWSDSSTARHSRLSSDGDGAWCPAGS 78
DB 1 DADMKGHFPAKCRVYALGMDRTIPDSISASSWSDSSTARHSRLSSDGDGAWCPAGS 60
QY 79 VFPEKEEYLOVDLQRLHLVALVGTGCRHAGGLCKEFSRSYRLRYSRGRMMKMDRMQ 138
DB 61 VFPEKEEYLOVDLQRLHLVALVGTGCRHAGGLCKEFSRSYRLRYSRGRMMKMDRMQ 120
QY 139 EVISGNEDEGGVYLKDLGPPMVARLVRFPRADRVMSVCLRVLYGCLWRDGLSTAPY 198
DB 121 EVISGNEDEGGVYLKDLGPPMVARLVRFPRADRVMSVCLRVLYGCLWRDGLSTAPY 180
QY 199 GQMTYSEAVYLLNDSTYDGHVGGLOYGGIGOLADGVGGLDPRKSOELRWMPGYDYGV 258
DB 181 GQMTYSEAVYLLNDSTYDGHVGGLOYGGIGOLADGVGGLDPRKSOELRWMPGYDYGV 240
QY 259 SNHSFSSGYVEMFEFDRLRARFQAMOVHCCNNHTTGARLPGVECFRRRGPAPAMWGEPM 318
DB 241 SNHSFSSGYVEMFEFDRLRARFQAMOVHCCNNHTTGARLPGVECFRRRGPAPAMWGEPM 300
QY 319 RHNLAGNLGDPARAVSVPLGGRVAFRLQCRFLFAGPMLLFSEISFISDVNNSSPALG 378
DB 301 RHNLAGNLGDPARAVSVPLGGRVAFRLQCRFLFAGPMLLFSEISFISDVNNSSPALG 360
QY 379 TFFPAPWMPGPPTNFSSLELEPRGQOPVAKAEGSPTA 417

Db 361 TFFPAPWMPGPPTNFSSLELEPRGQOPVAKAEGSPTA 399
RESULT 10
US-08-170-558-8
Sequence 8, Application US/08170558
Patent No. 6001621
GENERAL INFORMATION:
APPLICANT: Godowsky, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/170,558
FILING DATE: 20-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasek, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-170-558-8

Query Match 44.0%; Score 2167; DB 3; Length 399;
Best Local Similarity 99.7%; Pred. No. 2.2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 19 DADMKGHFPAKCRVYALGMDRTIPDSISASSWSDSSTARHSRLSSDGDGAWCPAGS 78
DB 1 DADMKGHFPAKCRVYALGMDRTIPDSISASSWSDSSTARHSRLSSDGDGAWCPAGS 60
QY 79 VFPEKEEYLOVDLQRLHLVALVGTGCRHAGGLCKEFSRSYRLRYSRGRMMKMDRMQ 138
DB 61 VFPEKEEYLOVDLQRLHLVALVGTGCRHAGGLCKEFSRSYRLRYSRGRMMKMDRMQ 120
QY 139 EVISGNEDEGGVYLKDLGPPMVARLVRFPRADRVMSVCLRVLYGCLWRDGLSTAPY 198
DB 121 EVISGNEDEGGVYLKDLGPPMVARLVRFPRADRVMSVCLRVLYGCLWRDGLSTAPY 180
QY 199 GQMTYSEAVYLLNDSTYDGHVGGLOYGGIGOLADGVGGLDPRKSOELRWMPGYDYGV 258
DB 181 GQMTYSEAVYLLNDSTYDGHVGGLOYGGIGOLADGVGGLDPRKSOELRWMPGYDYGV 240
QY 259 SNHSFSSGYVEMFEFDRLRARFQAMOVHCCNNHTTGARLPGVECFRRRGPAPAMWGEPM 318

Db 241 SNHSFSSGYVEMEFEDRLRAFOAMOVHCNNMHTTGARLPGVECFRRGPMAMEGEPM 300
QY 319 RNLGNLGDPPARAVSYVLGGVAFVFLCGRFLFAGPMLFSEISFISDVVNSSPALGG 378
Db 301 RNLGNLGDPPARAVSYVLGGVAFVFLCGRFLFAGPMLFSEISFISDVVNSSPALGG 360
QY 379 TPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPTA 417
Db 361 TPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPTA 399

RESULT 11
US-08-447-314-8
; Sequence 8, Application US/08447314
; Patent No. 6087144
; GENERAL INFORMATION:
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Baron, Will F.
; TITLE OF INVENTION: Protein Tyrosine Kinases
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/447,314
; FILING DATE: 22-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/170558
; FILING DATE: 20-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/157563
; FILING DATE: 23-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 854C1D2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-447-314-8

Query Match 44.0%; Score 2167; DB 3; Length 399;
Best Local Similarity 99.7%; Pred. No. 2.2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 19 DADMGHDPKACRYALMODRTIPDSISASSWSSTAAHSHRLSSDGDGAMCPAGS 78
Db 1 DADMGHDPKACRYALMODRTIPDSISASSWSSTAAHSHRLSSDGDGAMCPAGS 60
QY 79 VFPKEEFLQVDLQRLHLVALYVGTOGRHAGIGLKEFSRSLRYSRDGRMMGMDRNGQ 138
Db 61 VFPKEEFLQVDLQRLHLVALYVGTOGRHAGIGLKEFSRSLRYSRDGRMMGMDRNGQ 120
QY 139 EVISGNEDEGVVLKDLGPPVAVRLVRFYPRADRVMSVCLARELYGCLMRDGLSTYAPV 198

Db 121 EVISGNEDEGVVLKDLGPPVAVRLVRFYPRADRVMSVCLARELYGCLMRDGLSTYAPV 180
QY 199 GQTMVLSAVALYNDSTYDHTYVGLQYGLGGLADGVVGLDDEFRKSOELRVMPGYDYVGM 258
Db 181 GQTMVLSAVALYNDSTYDHTYVGLQYGLGGLADGVVGLDDEFRKSOELRVMPGYDYVGM 240
QY 259 SNHSFSSGYVEMEFEDRLRAFOAMOVHCNNMHTTGARLPGVECFRRGPMAMEGEPM 318
Db 241 SNHSFSSGYVEMEFEDRLRAFOAMOVHCNNMHTTGARLPGVECFRRGPMAMEGEPM 300
QY 319 RNLGNLGDPPARAVSYVLGGVAFVFLCGRFLFAGPMLFSEISFISDVVNSSPALGG 378
Db 301 RNLGNLGDPPARAVSYVLGGVAFVFLCGRFLFAGPMLFSEISFISDVVNSSPALGG 360
QY 379 TPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPTA 417
Db 361 TPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPTA 399

RESULT 12
US-08-445-461-8
; Sequence 8, Application US/08445461
; Patent No. 6096527
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Mark, Melanie R.
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Baron, Will F.
; TITLE OF INVENTION: Protein Tyrosine Kinases
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/445,461
; FILING DATE: 22-MAY-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/170558
; FILING DATE: 20-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/157563
; FILING DATE: 23-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 854C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-445-461-8

Query Match 44.0%; Score 2167; DB 3; Length 399;
Best Local Similarity 99.7%; Pred. No. 2.2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 19 DADKGFHPDAKCRATACMODRTIPSDISASSWSSTAAHRSRLSSDGDGAMCPAGS 78
DB 1 DADKGFHPDAKCRATACMODRTIPSDISASSWSSTAAHRSRLSSDGDGAMCPAGS 60
QY 79 VFPEEEYLVLDLQRLHLVALVYOGHAGGLGKEFSRYRLRSPRGRRMGKDKWQ 138
DB 61 VFPEEEYLVLDLQRLHLVALVYOGHAGGLGKEFSRYRLRSPRGRRMGKDKWQ 120
QY 139 EVISGNEDPBGVYVKDGLPMMVAVLRYFPYRADRVMSVCLRVLYGCLMDGLSTYAPV 198
DB 121 EVISGNEDPBGVYVKDGLPMMVAVLRYFPYRADRVMSVCLRVLYGCLMDGLSTYAPV 180
QY 199 GQTYLSEAVYLVNDSTYDGHVTGGLOYGJGLQADAVYGLDDFERKSOELRVMPGYDYVW 258
DB 181 GQTYLSEAVYLVNDSTYDGHVTGGLOYGJGLQADAVYGLDDFERKSOELRVMPGYDYVW 240
QY 259 SNHSFSSGYEMEPERFLRAFOAMOVHNNMHTLGLRGVGCRRRRPAAWEEBPM 318
DB 241 SNHSFSSGYEMEPERFLRAFOAMOVHNNMHTLGLRGVGCRRRRPAAWEEBPM 300
QY 319 RHNLSGNLGDPRRAVAVSLPGGRVARELQCRFLFAGPMLFSEISFISDVVNNSSPALGG 378
DB 301 RHNLSGNLGDPRRAVAVSLPGGRVARELQCRFLFAGPMLFSEISFISDVVNNSSPALGG 360
QY 379 TFPAPMPMPGPPPTNSSLELPRGQPPVAKKESGPTA 417
DB 361 TFPAPMPMPGPPPTNSSLELPRGQPPVAKKESGPTA 399

RESULT 13

US-08-701-191A-25

Sequence 25, Application US/08/01191A
Patent No. 5942428

GENERAL INFORMATION:

APPLICANT: Moosa Mohammadi, Joseph Schlessinger,

APPLICANT: and Steven R. Hubbard

TITLE OF INVENTION: CRYSTALS OF THE TYROSINE KINASE DOMAIN

TITLE OF INVENTION: OF NON-INSULIN RECEPTOR TYROSINE KINASE

NUMBER OF SEQUENCES: 41

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

CITY: Suite 4700

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 MB

MEDIUM TYPE: storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: FASTSEQ for Windows 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/701,191A

FILING DATE: August 21, 1996

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Waiburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 227/088

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 25:

SEQUENCE CHARACTERISTICS:

LENGTH: 317 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-701-191A-25

Query Match 33.8%; Score 1667; DB 2; Length 317;
Best Local Similarity 97.8%; Pred. No. 9e-112;
Matches 316; Conservative 1; Mismatches 0; Indels 6; Gaps 1;

QY 597 GDCPPRVDFRSLRFRKELGEGFGEVHLCEVDSPODLVSLDFPLNVRKGHPLLAVKI 656
DB 1 GDCPPRVDFRSLRFRKELGEGFGEVHLCEVDSPODLVSLDFPLNVRKGHPLLAVKI 60
QY 657 LRPDATKNAFSLSFRNDPLKEVYKINSRLADPNIRLLGVCVDDPLCMITDWMENDLN 716
DB 61 LRPDATKNA-----RNDPLKEVYKINSRLADPNIRLLGVCVDDPLCMITDWMENDLN 114
QY 717 QFLSAHQLEDKAAEGAPDGAAGPTISYPMHLVAAQIASGRVYLATINFYHRLDATR 776
DB 115 QFLSAHQLEDKAAEGAPDGAAGPTISYPMHLVAAQIASGRVYLATINFYHRLDATR 174
QY 777 NCLVGENFTIKIDFGKSRLLYAGDIYRVGKAVLPTRMAWECILMGKTTASDVAFG 836
DB 175 NCLVGENFTIKIDFGKSRLLYAGDIYRVGKAVLPTRMAWECILMGKTTASDVAFG 234
QY 837 VTLMEVYLMCRAQPFGLTDEQVIENAGFEFFROGROVYLSRPACQGLYEIMLRGWSR 896
DB 235 VTLMEVYLMCRAQPFGLTDEQVIENAGFEFFROGROVYLSRPACQGLYEIMLRGWSR 294
QY 897 ESEORPPFSQHLRFLAEDALNTV 919
DB 295 ESEORPPFSQHLRFLAEDALNTV 317

RESULT 14

US-08-162-402B-20

Sequence 20, Application US/08162402B
Patent No. 5972337

GENERAL INFORMATION:

APPLICANT: CERIANI, ROBERTO L.

APPLICANT: PETERSON, JERRY A.

TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT

TITLE OF INVENTION: GLOBULE (HMF) ANTIGEN, FRAGMENTS & FUSION PROTEIN

NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pretly, Schroeder & Poplawski

STREET: 444 South Flower St., 19th floor

CITY: Los Angeles

STATE: CA

COUNTRY: USA

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/162,402B

FILING DATE: 03-DEC-1993

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: P66 38215

TELECOMMUNICATION INFORMATION:

TELEPHONE: 213-622-7700

TELEFAX: 213-489-4210

TELEX:

INFORMATION FOR SEQ ID NO: 20:

SEQUENCE CHARACTERISTICS:
 LENGTH: 156 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: peptide
 US-08-162-402B-20

Query Match 17.0%: Score 838; DB 2; Length 156;
 Best Local Similarity 100.0%; Pred. No. 6.9e-53;
 Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 30 KCRYALGMDRTIPDSISASSMSDSTAARHSRLSSDGDGAMCPAGSVFPEKEEYLOY 89
 DB 1 KCRYALGMDRTIPDSISASSMSDSTAARHSRLSSDGDGAMCPAGSVFPEKEEYLOY 60
 QY 90 DLQRLHLVALVGTQGRHAGGLGKEFSRSYRLRYSRDGRMMGKDRMGQEVISGNEDEP 149
 DB 61 DLQRLHLVALVGTQGRHAGGLGKEFSRSYRLRYSRDGRMMGKDRMGQEVISGNEDEP 120
 QY 150 VLKDLGPPMVARLVRFYPRADRVMSVCLRVLEYGC 185
 DB 121 VLKDLGPPMVARLVRFYPRADRVMSVCLRVLEYGC 156

RESULT 15

US-08-339-578-2
 Sequence 2, Application US/08339578
 Patent No. 5622862
 GENERAL INFORMATION:
 APPLICANT: Squinto, et al.
 TITLE OF INVENTION: ASSAY SYSTEMS FOR NEUROTROPHIN ACTIVITY
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Regeneron Pharmaceuticals, Inc.
 STREET: 777 Old Saw Mill River Road
 CITY: Tarrytown
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10591-6707
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/339,578
 FILING DATE: 14-NOV-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/690,199
 FILING DATE: 23-APR-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Kempfer, Gail M.
 REGISTRATION NUMBER: 32,143
 REFERENCE/DOCKET NUMBER: 6526-061A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (914) 345-7400
 TELEFAX: (914) 345-7721
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 821 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-339-578-2

Query Match 13.2%: Score 648.5; DB 1; Length 821;
 Best Local Similarity 30.1%; Pred. No. 1.9e-38;
 Matches 201; Conservative 72; Mismatches 188; Indels 207; Gaps 23;

QY 373 SPALGCTFPAPMPPGPPPTNFSLELEPRGQPPAKAGSPYALILGLVAIIILLLL 432
 DB 217 SCVYGGDPLPTLWYDGNLVSKHNNTSHTQSLRTNISSDDSGIOICVY----- 267
 QY 433 IIALMLRLHMRRLLSKERRVLEELVALSY---PGDITLINRPPPREP----- 482
 DB 268 -----AENLVGEDDSVNLVYHFAPTITFL-----ESTSDHMC 302
 QY 483 -PYQEPFRGNPPHSAFCVNGS-----ALLSNPA-----Y 513
 DB 303 IPR---TVRGNPFPALQMFNGAILNESKYICTKIHTVNTTEYHGCIQDNPTHMNGDY 359
 QY 514 RLL-----ATYARPPRGPPYMAKAPTYOASGYMP---E 551
 DB 360 TLMAKKEYGKDERQISAHFNFGPVYETNPYPEVLYEDWTPTDI---GDTTKSNE 415
 QY 552 KPGAPLLPPPPONSVPVHYEADIVTLOGV----- 580
 DB 416 IPSTDVAQDSNRHLSTYAVVYVIAVYGFCLVMLLLKLARSKFGMKGPASVISNDD 475
 QY 581 -----TGNTYVVPALPPGAVDGP---PRVDEP-----RS 608
 DB 476 SASPLHHISNGSNTPESSSEGGPDVATIGMTKIVENPQYFGITNSQLKPDFFVQIKRH 535
 QY 609 RLRFKEKLEGGQGEVHLCE---VDSFQDLVSLDFPLNVRKGHPLVAVKILRPDATTNA 665
 DB 536 NIVLKRELEGAGAKVFLACYNLCPEOD-----KILVAVKTLK-DASDNA 580
 QY 666 SFSLFRNDFLKEVKIMSRDKDPIITRLGVCYQDDPLQIMDYMGSLNOLFSAHQLE 725
 DB 581 -----RKDPHRAELITNLQHEHIVKTYGVCESGPLMVEFYMKHGLDNFLRAHGPD 634
 QY 726 D-KAAGAPGDGQAAQGP-ISTYMLLHYAAQIASGRIYATLNFVHRDLATRNCLVGEN 783
 DB 635 AVLMAEGNP-----PELTQSQMLHIAQIQAAGMYLASGHFVHRLATRNCLVGEN 686
 QY 784 FTIKIDFGMSRLIAGDYTRYVQGAVALPIRMWAMECIIMGFTTASDVAVAGVTLMEYL 843
 DB 687 LLYKIDFGMSRDVYSTDYRVGGHTMLPIRMMPRESIMYRKFTTESDVWSLGVLWEIF 746
 QY 844 MLCRAQPFQGLDDEVYENAGEEFFRDGROVYLSRPPACQGLYELMLCWSRESQRRP 903
 DB 747 TYGR-QPWTQLSNVEYECT-----TQGR--VQRRPTCPQEVYELMLCQWRPHTRKN 798
 QY 904 FSQLHREL 911
 DB 799 IKSHTLL 806

Search completed: October 4, 2002, 07:41:03
 Job time: 168 sec